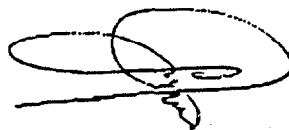


**UkrAm Study of Thyroid Cancer and Other Thyroid Diseases in Ukraine  
Following the Chernobyl Accident**

**Progress Report for Quarter Beginning 1 March and Ending 15 May, 2000**

**Project Manager**



**Dr. M. Tronko**

Table 1. Tracing of the Cohort

	Selection I (Total Records Selected = 20071 )				Selection II (Total Records Selected = 14021 )			
	Previous Total		Current Total		Previous Total		Current Total	
	#	%	#	%	#	%	#	%
Duplicate Record Found	1351		1403		-		27	
Total Subjects	18720	100.0	18668	100.0	-	100.0	13994	100.0
Address Found	12580	67	12873	69	-	-	1980	15
Address in the Study Oblasts	11401	61	11660	63	-	-	1894	14
Address Outside Study Oblasts, Same Country	1179	6	1213	6	-	-	86	1
Emigrated to Another Country	402	2	430	2	-	-	63	0
Deceased	107	1	119	1	-	-	19	0
Not Found	5631	30	5247	28	-	-	11932	85

**Definitions:**

**Previous Total** - the cumulative total up to the end of the previous quarter

**Current Total** - the cumulative total up to the ending date on the title page of this report

**Selection I** - the first 19,000 subjects who were originally selected from the dose files

**Selection II** - the remaining subjects in the dose files who were selected at the end of 1999

**Address Found** - a current address has been found using one of the tracing sources

**Not Found** - a current address or vital status was unknown by all of the tracing sources

Table 2. Status of Recruitment Activities for Screening Cycle 1 (First Screening Only - When Screening Cycle 2 begins, there should be a separate table).

	Selection I				Selection II			
	Previous Total		Current Quarter		Previous Total		Current Quarter	
	#	%	#	%	#	%	#	%
Address Found in Study Oblias	11401	100.0	11660	100.0	0	100.0	1894	100.0
Invitation Sent	14123*		602		0			
First Invitation	10164*	100%	153	100%	0		194	100%
Accepted	2391*	24%	30	20%	0		189	97%
Refused	218	2%	4	3%	0		2	1%
Did Not Respond	6705	66%	50	33%	0		0	0%
Incorrect Address	772	8%	57	37%	0		0	0%
Temporarily Absent	78	1%	12	8%	0		3	2%
Second/Subsequent Invitation	3959*	100%	449	100%	0		0	
Accepted	877*	22%	141	31%	0		0	
Refused	195	5%	41	9%	0		0	
Did not respond	2491	63%	15	3%	0		0	
Incorrect address	317	8%	200	45%	0		0	
Temporarily Absent	79	2%	52	12%	0		0	

\*Uncomplete data

# Definitions:

Previous Total - the cumulative total up to the end of the previous quarter  
Current Quarter - total number for this quarter beginning and ending with the dates on the front page of this report  
Selection I - the first 19,000 subjects who were selected from the dose files  
Selection II - the remaining subjects in the dose files who were selected at the end of 1999  
Temporarily Absent - subject is in the military, prison, school, hospital, or on vacation and is temporarily away from his/her permanent address  
Second/Subsequent Invitation - an invitation was previously sent to a subject and they refused, didn't respond, or the address was incorrect; another invitation was sent during this quarter with additional information or corrected address

Table 3. Status of Screening Activities

	Selection I				Selection II			
	Previous Total		Current Quarter		Previous Total		Current Quarter	
	#	%	#	%	#	%	#	%
Total Accepted Invitation	3268*	100.0	171*	100.0	0	100.0	189*	100.0
Fixed Center					0			
Total Subjects Screened	1254		445		0		235	
Screening examination completed	1250		445		0		235	
Incomplete screening examination	4		0		0		0	
Examination Scheduled for Next Quarter	-		-		-		-	
Did not show up	-		-		0		-	
Missed appointment, Rescheduled	-		-		0		-	
Mobile Station					0			
Total Subjects Screened	4622		914		0		333	
Screening examination completed	4432		877		0		333	
Incomplete screening examination	190		37		0		0	
Examination Scheduled for Next Quarter	-		-		-			
Did not show up	-		-		-			
Missed appointment, Rescheduled	-		-		-			

\* Uncomplete data

**Definitions:**

Selection I - the first 19,000 subjects who were selected from the dose files

Selection II - the remaining subjects in the dose files who were selected at the end of 1999

Previous Total - the cumulative total up to the end of the previous quarter

Current Quarter - total number for this quarter beginning and ending with the dates on the front page of this report

Total Accepted Invitation - total of the two rows labeled "Accepted" in Table 1 under First Invitation and Second/Subsequent Invitation

Total Subjects Screened - total of those subjects who completed the screening examination, and those who did not complete the screening examination

Screening examination completed - subject went to all stations: Registration, Dosimetry Interview, Blood &amp; Urine Collection, Ultrasound, Endocrinology

Did not complete screening examination - subject registered but did not go to all stations

Table 4. Results of Initial Screening Examination (from the preliminary endocrine summary completed on the day of the examination)

	Selection I				Selection II			
	Previous Total		Current Quarter		Previous Total		Current Quarter	
	#	%	#	%	#	%	#	%
Total Subjects Screened	5876	100.0	1359	100.0	0	100.0	568	100.0
1. No thyroid abnormalities on preliminary endocrine summary	5187	88.3	1099	80.9	-	-	470	82.7
2. Subject referred for FNA	106	1.8	35	2.6	-	-	12	2.1
3. Other Thyroid Abnormality - Referred for follow-up	575	9.8	225	16.5	-	-	86	15.2
4. History of thyroid cancer prior to screening	2	0.03	0	0	-	-	0	0
5. Insufficient information to complete preliminary summary	6	0.1	0	0	-	-	0	0

Definitions:

Selection I - the first 19,000 subjects who were selected from the dose files

Selection II - the remaining subjects in the dose files who were selected at the end of 1999

Previous Total - the cumulative total up to the end of the previous quarter

Current Quarter - total number for this quarter beginning and ending with the dates on the front page of this report

Total Subjects Screened - total of the numbers reported for Fixed Center and Mobile Teams from Table 3

History of thyroid cancer prior to screening - subject was diagnosed/treated for thyroid cancer before coming to the first screening examination

Table 5. Laboratory Tests Processed

	Previous Total		Current Quarter	
	#	%	#	%
Blood Samples Received	5809	100.0	1926	100.0
Blood Samples Processed TSH	5021	86.4	683	35.5
Blood Samples Processed AntiTPO	4826	83.1	683	35.5
Blood Samples Processed Tg	3782	65.1	683	35.5
Blood Samples Processed PTH	171	2.9	-	-
Blood Samples Processed Ca++	4943	85.1	1797	93.3
Urine Samples Received	5716	100.0	1891	100.0
Urine Samples Processed	2900	50.7	750	40

**Definitions:**

**Previous Total** - the cumulative total up to the end of the previous quarter

**Current Quarter** - total number for this quarter beginning and ending with the dates on the front page of this report

**Samples Received** - the number of subjects for whom samples have been received by the laboratory

**Samples Processed** - the number of subjects for whom all of the laboratory analyses have been completed

Table 6. Fine Needle Aspiration Results

	Previous Total		Current Quarter	
	#	%	#	%
Subject referred for FNA	106		35	
Subject having undergone FNA	76	100.0	26	100.0
1 FNA positive or suspicious for cancer	55	72.4	20	76.9
1.1 Subject had Surgery	24	31.6	4	15.4
1.2 Subject did not have Surgery	1	1.31	2	7.7
2 FNA negative/inconclusive	21	27.6	6	23.1

**Definitions:**

**Previous Total** - the cumulative total up to the end of the previous quarter

**Current Quarter** - total number for this quarter beginning and ending with the dates on the front page of this report

Table 7. Final Endocrine Summary Results \*

	Selection I				Selection II			
	Previous Total		Current Quarter		Previous Total		Current Quarter	
	#	%	#	%	#	%	#	%
Total Subjects Screened	5876	100.0	1359	100.0	-	100.0	568	100.0
Final Endocrine Summary Report Completed	3656	100.0	428	100.0				
1. No abnormality	2836	77.6	339	79.1				
2. Thyroid abnormality	820	22.4	89	20.9				
2.1 Diffuse goiter	633	17.31	40	9.25				
2.2 Nodular goiter	34	0.93	0	0				
2.2.1 Single Nodule	23	0.63	0	0				
2.2.2 Multinodular	8	0.22	0	0				
2.3 Thyroid Cancer	13	0.35	1	0.23	-	-	-	-
2.4 Benign thyroid neoplasm (adenoma)	5	0.14	0	0	-	-	-	-
2.5 Non-neoplastic nodule ( nodules)	2	0.05	2	0.47	-	-	-	-
2.6 Autoimmune thyroiditis	32	0.88	2	0.47				
2.7 Hyperthyroidism, Graves' disease + thyroiditis	1	0.03	1	0.23				
2.8 Hypothyroidism	100	2.73	43	10.05				
2.9 Other Abnormality	0	0	0	0				
3. Parathyroid abnormality	0	0	6	1.4				
3.1 Hypercalcemia	0	0	6	1.4				
3.2 Hyperparathyroidism	0	0	0	0				

**Definitions:**

Selection I - the first 19,000 subjects who were selected from the dose files

Selection II - the remaining subjects in the dose files who were selected at the end of 1999

Previous Total - the cumulative total up to the end of the previous quarter

Current Quarter - total number for this quarter beginning and ending with the dates on the front page of this report

Total Subjects Screened - total of the numbers reported for Fixed Center and Mobile Teams from Table 3

\* Results from final endocrine summary after all laboratory testing is complete and pathology reports obtained (for subjects with FNA/surgery) - Do not include thyroid abnormalities or malignancies diagnosed prior to the first screening



Table 8. Data Management

	Grand Total		Current Quarter	
	#	%	#	%
Total Subjects Screened	7803	100.0	1927	100.0
Screening Forms Key Entered	1229	15.8		
Dosimetry Questionnaires Key Entered	7584	97.2	1764	91.5
Urine Processing Forms Key Entered	15	0.2		
Blood Processing Forms Key Entered	1213	15.5		
Final Endocrine Summary Forms Key Entered	1636	21.0	437	22.7

**Definitions:**

**Grand Total** - cumulative total up to and including the quarter covered by the report  
**Current Quarter** - total number for this quarter beginning and ending with the dates on the front page of this report  
**Total Subjects Screened** - total of the numbers reported for Fixed Center and Mobile Teams for Selections I and II from Table 3  
**Screening Forms Key Entered** - total number of subjects for whom all forms filled out on the day of screening (from registration through preliminary endocrine summary) have been key-entered